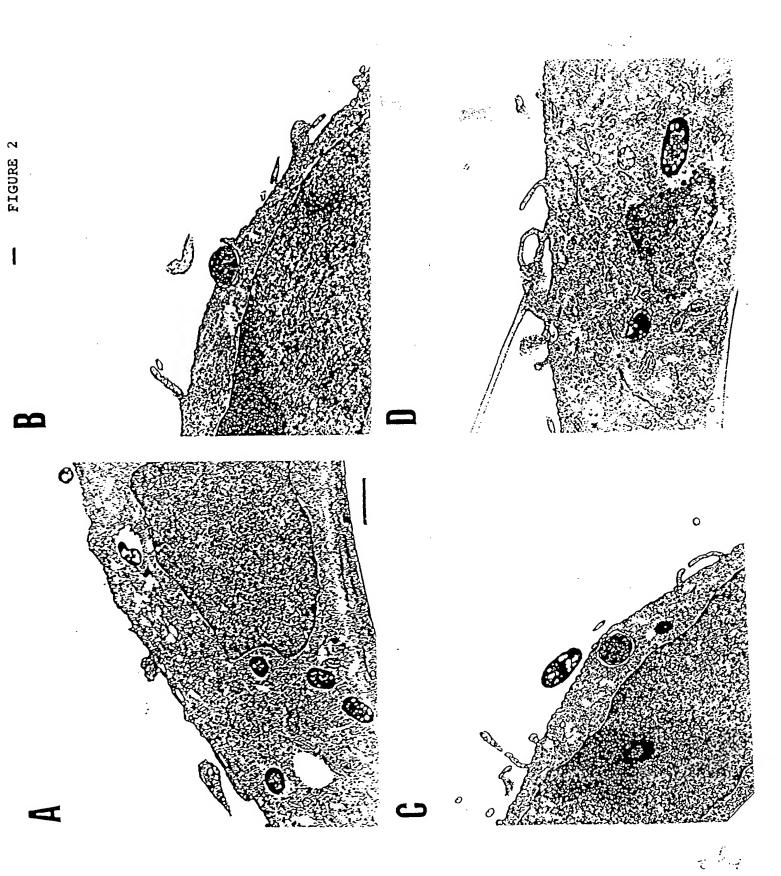
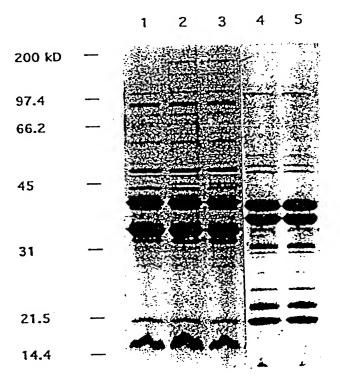
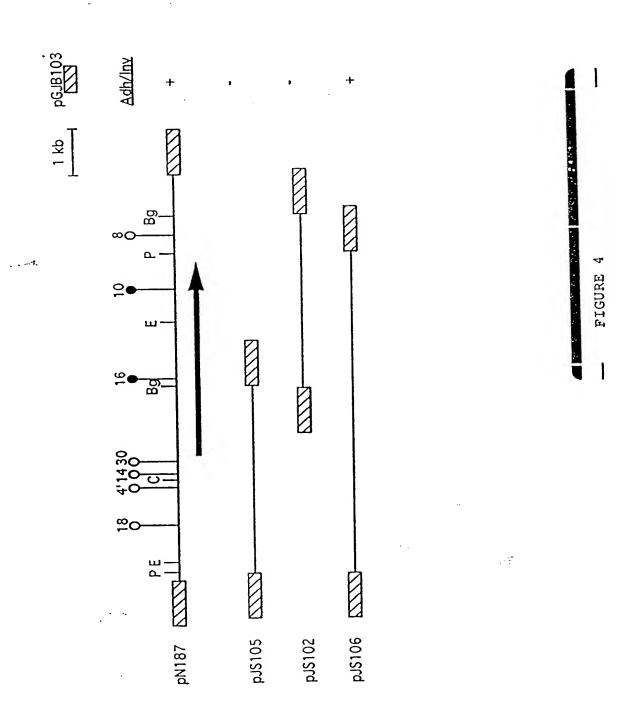


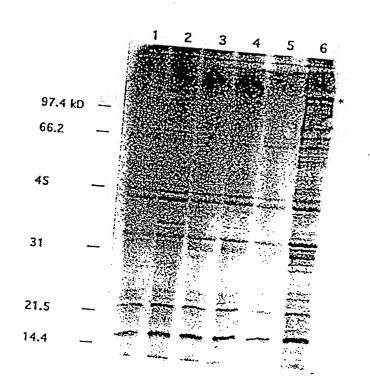
1.611







4.54





50 90 **AATAGTCG**TTTAACTAGTATTTT<u>TAATA</u>CGAAAAATTACTTAATTAAATAAACATT<u>ATGAAAAAAACTGTATTTCGTCTTAATTT</u> MKKT -10 150 170 130 110 <u>AACCGCTTGCATTTCATTAGGGATAGTATCGCAAGCGTGGGCT</u>GGTCACACTTATTTTGGGATTGATTACCAATATTATCGTGATTTT ACISLGIV. SQAWAGHTY FGIDYQYYRDF 190 -210 230 250 **CGAGAAT**AAAGGGAAGTTCACAGTTJGGGCTCAAAATATTAAGGTTTATAACAAACAAGGGCAATTAGTTGGCACATCAATGACAAAA ENKGKFT V GAQNIK V Y N K Q G Q L V G T S M T K 310 330 350 P M I D F S V V S R N G V A A L V E N Q Y I V S V A H N V 390 410 430 **JATATACA**GATGTTGATTTTGGTGCAGAGGGAAACAACCCCGATCAACATCGTTTTACTTATAAGATTGTAAAACGAAATAACTACAAA YTDVDFGAEGNNPDQHRFTYKIVKRNNYK 490 510 **AAGATAATTT**ACATCCTTATGAGGACGATTACCATAATCCACGATTACATAAATTCGTTACAGAAGCGGCTCCAATTGATATGACTTCG DNLHPYEDDYHNPRLHKFVTEAAPIDMTS 570 **ATATGAATGGCAGTACTTATTCAGATAGAACAAAATATCCAGAACGTGTTCGTATCGGCTCTGGACGGCAGTTTTGGCGAAATGATCAA** M N G S T Y S D R T K Y P E R V R I G S G R Q F W R N D Q **ACAAAGGCG**ACCAAGTTGCCGGTGCATATCATTATCTGACAGCTGGCAATACACACAATCAGCGTGGAGCAGGTAATGGATATTCGTAT K G D Q V A G A Y H Y L T A G N T H N Q R G A G N G Y S 💯 👀 790 750 770 G G D V R K A G E Y G P L P I A G S K G D S G S P M F I Y 830 850 870 **IATGCTGA**AAAACAAAAATGGTTAATTAATGGGATATTACGGGAAGGCAACCCTTTTGAAGGCAAAGAAAATGGGTTTCAATTGGTTCGC) A E K Q K W L I N G I L R E G N P F E G K E N G F Q L V R 910 930 950 (SYFDEIFERDLHTSLYTRAG'NG VYTISGN 1050 1030 1010 1070 **GATAATGG**TCAGGGGTCTATAACTCAGAAATCAGGAATACCATCAGAAATTAAAATTACGTTAGCAAATATGAGTTTACCTTTGAAAGAG D N G Q G S I T Q K S G I P S E I K I T L A N M S L P L K E 1150 1110 1130 **AAGGATA**AAGTTCATAATCCTAGATATGACGGACCTAATATTTATTCTCCACGTTTAAACAATGGAGAAACGCTATATTTTATGGATCAA K D K V H N P R Y D G P N I Y S P R L N N G E T L Y F M D Q 1210 1230 1250 1190 **AAAC**AAGGATCATTAATCTTCGCATCTGACATTAACCAAGGGGCGGGTGGTCTTTATTTTGAGGGTAATTTTACAGTATCTCCAAATTCT KQGSLIFASDINQGAGGLYFEGNFTVSPNS 1290 1310 1330 **AACCAAACTT**GGCAAGGAGCTGGCATACATGTAAGTGAAAATAGCACCGTTACTTGGAAAGTAAATGGCGTGGAACATGATCGACTTTCT NQTWQGAGIHVSENSTVTWKVNGVEHDRLS 1390 1410 **AAAATTGGT**AAAGGAACATTGCACGTTCAAGCCAAAGGGGAAAATAAAGGTTCGATCAGCGTAGGCGATGGTAAAGTCATTTTGGAGCAG KI G K G T L H V Q A K G E N K G S I S V G D G K V I L E Q

			CGA					ACA.		CTT					CTT		TAG		CAGA R				TCA.					TAA.	1530 ACAA Q
TT	GAT D	AC:	CGA	TAA	ATT	550 TAT	TTT	coo	CTT	rcg1	เดิดา เด	157 [GG]	rcg	стта	AGA'	τεττ	FAA!	CGG	1590 GCAT H	TTC/	KTT/	44C	CTT	TAA	16: ACG	TAT	CCA.	AAA ⁻	TACG
iac	GA (16:	30 GGC	ΑΑΤ	GAT	rgro	GAAG	CCA.	1650 TAA	ð TACA	AAC7	rca.	4GC	cgc.	1 TAA	670 TGT (CAC"	TAT		rgge	SAA	16 CGA	90 A A G	CAT.	TGT:	rer.	AGC	'AAT	1710 TGGA
TAJ	ΓΑΑ	TAT	ΤΑΑ	TAA	1 ACT	730 TGAT	TA(CAG.	۱۵۵۸	4GA/	\AT1	175 (GC)	60 CTA	CAA	CGG	TTG	GTT.	rgg	1770	AAC/	4GA⁻	TAA	AAA '	TAA	17: ACA:	90 CAA	TGG	- GCG	ATTA
٩AC	ന	18: AT	10 TTA	TAA	ACC.	AACO	CAC	4GA.	1830 AGA	a rcg	raci	rtte	GCT.	ACT'	1 TTC	850 AGG	rgg	TAC		TTT	AAA.	18 AGG	70 CGA	TAT	TAC	CCA	AAC	AAA	1890 AGGT
AAA	CTA	\TT	TTT	CAG	1º CGG	910 Taga	\CC(GAC.	ACC	GCA	cgc	193 CTA	6 6 7	TCA	TTT.	^AAA	TA'A.	A C C	1950	GT CA	AGA.	ТАА	GGA	AGG	19 TAT	70 ACC	ACA	AGG	CGAA
ATT	GT	19: TG:	90 GGA	TCA	CGA [*]	TTGO	JAT(CAA	2010 CCG	ð TAC	ATT	ΓΑΑ	۹GC.	TGA	2 AAA	:030 CTT:	CCA.	ΤΑΑ		AGG	CGG	20 AAG	50 TGC	GGT	GGT	TTC	TCG	CAA	2070 TGTT
					AAA								AAA					TGT	2130 TGT V	GCC.					TAC				GCGT R
			GAC					TTG		AAA					CGA		AAA		TAT			TAT							2250 TGGC G
					TGA								AGG					TAZ	2310 \TGG G	CAA					ĀĀĀ				ATTT F
ACA	TT	23 \AG	50 CAA	CAA	TGC	CAC	CCA.	TAA	237 AGG	0 CAA	TAT	TCG	ACT	TTC	2 CGA	2390 .CAA	TTC	AAG		AAC	GGT	Z4 GGA	10 TAA	T G C	AAA	.CTT	GAA	ccc	2430 TAAT
GTG	CA"	rtt	AAC	GGA	2 TTC	450 AGC	TCA	ATT	ττο	777	ΑΑΑ	247 AAA	70 CAG	CCA	.111	ττο	GCA	.cc	2490 4AAT) TCA	GGG	AGA	.CAA	AGG	25 CAC	510 :AA(CAGT	rgac	CGTTG
GAA	·AA	25 r G C	30 GAC	TTG	GAC	ΤΑΑ	GCC	TAG	255 CGA	Ø TAC	TAC	TTA	GCA	.GAA	; TTT	2570 `AAC	GCT	'AA		CAG	TAC	2S TAD	590 CAC	GTT	ΆΑΑ	(TT	CAG	CTTA	2610 ATTCA
GCT	AG	ctc	AAA	CAA	2 7 A T.	630 GCC	ACG	TCG	cca	TTC	TTA	26. A G A	50 .GAC	GGA	(AA)	CAAC	GCC	AA	2670) GGC	AGA	\AC#	\TC(STTI	Z CAA	590 4CA	CAT.	TGA	CAGTA
TAA	· GG	27 TAA	10 ATT	GAG	TGG	GCA	AGG	CAC	273 TTA:	80 CCA	TTA.	TAC	TTC	TA	; 111:	2750 FATT	TGO	SCT.		AAC	i C G A	2 \TA	770 \AT	AAT	\ATT	ΓΑΤ	CCA	AT G.	2790 ACGCT
GA (G G	ADO D	.TT. Y	TAD/ I	TTA	2810 ATC S	TGT	TCC R	AADE N	AO. T	DAC G	CAA	30 \AGA	ACC P	CCG/ E) AAZ T	CC1	TTG E	2850 AGC# Q	TTA	`AA` T	CTT	rgg [.] V	TTG/	AAA	870 GCA K	AAG	АТА И	AASTA Q

```
2930
                                                 2950
    2890
                   2910
CGTTATCAGATAAGCTCAAATTTACTTTAGAAAATGACCACGTTGATGCAGGTGCATTACGTTATAAATTAGTGAAGAATGATGGCGAA
  L S D K L K F T L E N D H V D A G A L R Y K L V K N D G E
            2990
                          3010
                                         3030
R L H N P I K E Q E L H N D L V R A E Q A E R T L E A K Q
                   3090
                                  3110
                                                 3130
iTT GAACCGACT GCTAAAACACAAACAGGT GAGCCAAAAGT GCGGT CAAGAAGAGCAGCGAGAGCAGCGTTT CCT GATACCCT GCT GAT
 E P T A K T Q T G E P K V R S R R A A R A A F P D T L P D
                          3190
                                         3210
JSLLNALEAK QAELTAET QKSKAKTKK VRS
                   3270
                                  3290
                                                 3310
AAAAGAGCAGTGTTTTCTGATCCCCTGCTTGATCAAAGCCTGTTCGCATTAGAAGCCGCACTTGAGGTTATTGATGCCCCACAGCAATCG
K R A V F S D P L L D Q S L F A L E A A L E V I D A P Q Q S
                          3370
                                         3390
E K D R L A Q E E A E K Q R K Q K D L I S R Y S N S A L S E
                                  - 3470
TTATCTGCAACAGTAAATAGTATGCTTTCTGTTCAAGATGAATTAGATCGTCTTTTTGTAGATCAAGCACAATCTGCCGTGTGGACAAAT
 S A T V N S M L S V Q D E L D R L F V D Q A Q S A V W T N
            3530
                          3550
                                         3570
                                                        3590
ATCGCACAGGATAAAAGACGCTATGATTCTGATGCGTTCCGTGCTTATCAGCAGCAGAAAACGAACTTACGTCAAAATTGGGGTGCAAAAA
I A Q D K R R Y D S D A F R Á Y Q Q Q K T N L R Q I G V Q K
    3610
                                  3650
                                                 3670
                   3630
GCCTTAGCTAATGGACGAATTGGGGCAGTTTTCTCGCATAGCCGTTCAGATAATACCTTTGATGAACAGGTTAAAAATCACGCGAQATTA
A L A N G R I G A V F S H S R S D N T F D E Q V K N H A T L
            3710
                          3730
                                         3750
ACGATGATGTCGGGTTTTGCCCAATATCAATGGGGCGATTTACAATTTGGTGTAAACGTGGGAACGGGAATCAGTGCGAGTAAAATGGCT
T M M S G F A Q Y Q W G D L Q F G V N V G T G I S A S K M A
                   3810
                                   3830
                                                 3850
GAAGAACAAAGCCGAAAAATTCATCGAAAAGCGATAAATTATGGCGTGAATGCAAGTTATCAGTTCCGTTTAGGGCAATTGGGCATTCAG
E E Q S R K I H R K A I N Y G V N A S Y Q F R L G Q L G I Q
            3890
                          3910
                                         3930
CCTTATTTTGGAGTTAATCGCTATTTTATTGAACGTGAAAATTATCAATCTGAGGAAGTGAGAGTGAAAACGCCTAGCCTTGCATTTAAT
P Y F G V N R Y F I E R E N Y Q S E E V R V K T P S L A F N
                                                 4030
                   3990
                                  4010
CGCTATAATGCTGGCATTCGAGTTGATTATACATTTACTCCGACAGATAATATCAGCGTTAAGCCTTATTTCTTCGTCAATTATGTTGAT
RYNAGIRVDYTFTPTDNISVKPYFFVNYVD
            4070
                           4090
                                          4110
GTTTCAAACGCTAACGTACAAACCACGGTAAATCTCACGGTGTTGCAACAACCATTTGGACGTTATTGGCAAAAAGAAGTGGGATTAAAG
V S N A N V Q T T V N L T V L Q Q P F G R Y W Q K E V G L K
                   4170
                                   4190
                                                  4210
GCAGAAATTTTACATTTCCAAATTTCCGCTTTTATCTCAAAATCTCAAGGTTCACAACTCGGCAAACAGCAAAATGTGGGCGTGAAATTG
A E I L H F Q I S A F I S K S Q G S Q L G K Q Q N V G V K L
```

FIGURE 6C

4270

GYRW *

GGCTATCGTTGGTAAAAATCAACATAATTTTATCGTTTATTGATAAACAAGGTGGGTCAGATCAGATCCCACCTTTTTTATTCCAATAAT

4290

Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1 50 MKKTVFRINF LTACISLGIV SQAWAGHTYF GIDYQYYRDF AENKGKFIVG MINKKFKINF IALTVAYALT PYTEAALVRD DVDYQIFRDF AENKGKFSVG M————————————————————————————————————
Hap HK368IGA HK393IG HK715IGA HK61IGA Consensus	51 AQNIKVYNKQ GQLVGTSMIK A.PMIDFSVV SRNG.VAALV ENQYIVSVAH ATNVLVKDKN NKDLGTALPN GIPMIDFSVV DVDKRIATLI NPQYVVGVKH ATNVEVRDKN NRPLGNVLPN GIPMIDFSVV DVDKRIATLV NPQYVVGVKH ATNVEVRDKN NHSLGNVLPN GIPMIDFSVV DVDKRIATLI NPQYVVGVKH ATNVEVRDKK NQSLGSALPN GIPMIDFSVV DVDKRIATLV NPQYVVGVKH A-NVKGPMIDFSVVA-LQY-V-V-H
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	150NVGY TDVDFGAEGN NPDQHRFTYKIVKR NNY VSNGVSELHF GNINGNMNG NAKAHRDVSS EENRYFSVEK NEYPTKINGK VSNGVSELHF GNINGNMNG NAKAHRDVSS EENRYYTVEK NEYPTKINGK VSNGVSELHF GNINGNMNG NDKSHRDVSS EENRYFSVEK NEYPTKINGK VSNGVSELHF GNINGNMNG NAKSHRDVSS EENRYYTVEK NNFPTENVTS
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	200KKONLH PYEDDYHNPR LHKEVTEAAP IDM.TSNMNG STYSDRTKYP TVITELQ.TQ KRREDYYMPR LDKEVTEVAP IEASTASSDA GTYNDQNKYP AVTTEDQ.AQ KRREDYYMPR LDKEVTEVAP IEASTASSDA GTYNDQNKYP AVTTEDQ.TQ KRREDYYMPR LDKEVTEVAP IEASTASSDA GTYNDQNKYP FTTKEEQDAQ KRREDYYMPR LDKEVTEVAP IEASTANNIK GEYNNSDKYP
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	250 ERVRIGSGRQ F

Нар	251 HYLTAGNTHN	QRGAGNGYSY	LGGD	VRKAGEYGPL	300 PIAGSKGDSG
HK368IGA				PKGILSQDPL	
HK393IGA				PKEILSKKPL	
HK715IGA				PKGILSQDPL	
HK61IGA	TYGLAGIPYK	ANHENNGLIG	FGNSKEEHSD	PKGILSQDPLPL	TNYAVLGDSG
Consensus	-YAG		-6		*
	301				350
Нар	SPMFIYDAEK	QKWLINGILR	EGNPFECKEN	GFQLVRKSYF	D.EIFERDLH
HK368IGA				KKSWQ	
HK393IGA	SPLFVYDREK	GKWLFLGSYD	YWAGYN	KKSWQ	EWNIYKPEFA
HK715IGA	SPLEVYDREK	GKWLFLGSYD	FWAGYN	KKSWQ	EWNIYKPEFA
HK61IGA	SPLFVYDREK	GKWLFLGSYD	FWAGYN	KKSWQ	EWNIYKHEFA
Consensus	SP-F-YD-EK	-KWLG		KS	I
	351				400
Нар	TSLYTRAGNG	VYTISGNDNG	QGSITQKSGI	PSEIKITLAN	MSLPLKEKOK
HK368IGA	KDVLNKDSAG	SLIGSKIDYS	WSSNGKTSTI	TGGEKS	LNVDLAD
HK393IGA	EKTYEQYSAG	SLIGSKIDYS	WSSNGKTSTI	TGGEKS	LNVDLAD
HK715IGA				SNGSES	
HK61IGA				TGGGEP	
Consensus	G	S	S-I		L
	401				450
Hap	VHNPRYDGPN	IYSPRINNGE	TLYFMDQKQG	SLIFASDINQ	GAGGLYFEGN
HK368IGA	GKD.	KPNHGK	SVIFEGSG	TLTLNNNIDQ	GAGGLFFEGD
HK393IGA				TLTINNNIDQ	
HK715IGA				TLTLNNNIDQ	
HK61IGA				TLTLNNHIDQ	
Consensus		N-G-	G	-LI-Q	GAGGL-FEG-
	451				500
Нар				GVEHDRLSKI	
HK368IGA				NPQYDRLAKI	
Hk393IGA	YEVKGTSDNT	TWKGAGVSVA	EGKTVTWKVH	NPQYDRLAKI	CKGTLIVEGT
HK715IGA	YEVKGTSDST	TWKGAGVSVA	DGKTVTWKVH	NPKSDRLAKI	GKGTLIVEGK
HK61IGA	YEVKGTSDST	TWKGAGVSVA	DGKTVTWKVH	NPKYDRLAKI	GKGTLVVEGK
Consensus	VS	TW-GAGV-	TVTWKV-	DRL-KI	GKGTL-V

	501				550
Hap	GENKGSISVG	DGKVILEQQA	DDQGNKQAFS	EIGLVSGRGT	VQLNDDKQFD
HK368IGA	GDNKGSLKVG	DGTVILKQQT	NGSGQ.HAFA	SVGIVSGRST	TATINDDKÖAD.
HK393IGA	GDNKGSLKVG	DGTVILKOOT	NGSGQ.HAFA	SVGIVSGRST	LVLNDDKQVD
HK715IGA	GENKGSLKVG	DGTVILKOQA	DANNKVKAFS	QVGIVSGRST	VVLNDDKQVD
HK61IGA				QVGIVSGRST	
Consensus	G-N-GVG	DG-VIL-O	AF-	G-VSGR-T	LNIDDKQ-D
		_			_
	551				600
Нар		GRLDLNGHSL	TEKRIONIDE	GAMIVNHNIT	OAANVTITGN
HK368IGA				GARLVNHNMT	
HK393IGA				GARLVNHSTS	
HK715IGA	PNSTYFGFRG	GRIDANGNNL	TEEHIRNIDD	GARLVNHNTS	KTSTVTITGE
HK61IGA	PNSTYFGFRG	GRIDINGNSL	TEDHIRNIDD	GARVVNHNMT	NTSNITITGE
Consensus				GAVNH	
	601				650
Нар	ESIVLPNG.				
HK368IGA		PYNTDAPDED	NPYAFRRIKD	GGOLYLNLEN	YTYYATRKGA
HK393IGA				GYOLYFNEEN	
HK715IGA				GGOLYLNLEN	
HK61IGA				R.OLYFNODN	
Consensus	TPN	_			
Consensus	T 114			•	
	651				700
Hap			N	NINKLDYRKE	
HK368IGA	STRSET PKNS			VMNHINNERM	
HK3931GA				AMNHINNERM	
HK715IGA				VMNHINNERM	
HK61IGA				VMNHINNERM	
Consensus				N	
Wilselisus	•		14	14	100 100
	701				750
Hap		MI TAKDALLED	ועניבטא ז ז ניים	LKGDITQTKG	
HK368IGA				LNGDLTVEKG	
HK393IGA				INGDLNVOOG	
HK715IGA				INGDLKVEKG	
HK61IGA				INCOLUVEKG	
Consensus	KMG-L	I/	TT-G2IN	L-GDG	-TY-20KEJE

Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	HARDIAGISS HARDIAGISS HARDIAGISS	SEMEGIPQ TKKDPHFAEN TKKDSHFSEN TKKDQHFAEN TKKDPHFTEN	NEVVVEDOWI NEVVVEDOWI NEVVVEDOWI	NENEKATIMI NENEKATNIN NENEKATIMI	VTGNASLYSG VINNATLYSG VTNNATLYSG VTGNASLYSG
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	RNVANITSNI RNVANITSNI RNVANITSNI RNVANITSNI	TVSNNANATF TASNKAQVHI TASNNAKVHI TASNNAKVHI TASNNAQVHI T-SA	GYKTGDTV GYKAGDTV GYKTGDTV	CVRSDYTGYV CVRSDYTGYV CVRSDYTGYV CVRSDYTGYV	TCTTDKLSD. TCTTDKLSD. TCTTDKLSD. TCHNSNLSE.
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	KALNSENPTN KALNSENPTN KALNSENATN KALNSENPTN	INGSINLIDN LRGNVNLTES LRGNVNLTES VSGNVNLSGN LRGNVNLTENGNL	A		
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus		.NEVLGKANL	FGTIQSRGNS FGTIQSRGNS FGTISGTGNS FGTIQSIGTS	QVRLT QVRLT QVRLT QVNLK	
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	ENSHWHL ENSHWHL ENSHWHL	PSDTTLQNLT TGNSDVHQLD TGNSDVHQLD TGDSNVNQLN TGNSNVNQLN TGNSNVNQLN	LANGHIHLNS LANGHIHLNA LINGHIHLNA	ADNSNNVIK. ADNSNNVIK. QNDANKVIT. QNDANKVIT.	1000 RRRSLETETT

	1001				1050
Нар		LTVNGKLSGO	GTFQFTSSLF	GYKSDKLKLS	NDAEGDYILS
HK3681GA			GSFYYLTDLS		
HK393IGA			GSFYYLTDLS		
HK715IGA			GSFYYLTDLS		
HK61IGA	TMY	LTVNS.LSGN	GSFYYWVDFT	NNKSNKVVVN	KSATGNETLO
Consensus	NT	LTVNLSG-	G-F	K	A-GL-
	1051				1100
Нар	VRNIGKEPET	LEQLTLVESK	DNQPLSDKLK	FTLENDHVDA	GALRYKLVKN
HK368IGA			KAOR. DHIN		
HK393IGA			KAOR. DHILN		
HK715IGA			NATR NNIN		
HK61IGA	VADKTGEPNH	NELTLEDAS	NATRNNLE	VTLANGSVDR	GAWKYKLRNV
Consensus			L-		
					
	1101				1150
Нар	DGEFRLHNPI	KEOELHNDLV			
HK368IGA			DTTNITTPNN		
HK393IGA			DTINITIPNN		
HK715IGA			DTINITIPNN		
HK61IGA			DTTNITTPND		
Consensus	-GL-NP-	-E-ENV			
	1151				1200
Hap					
HK368IGA	APVPPPAPAT				
HK393IGA	APVPPPAPAT				
HK715IGA	TPVPPPAPAT				
HK61IGA	TPVPPPAPAT	ESALASEQPE	TRPAETAQPA	MEETNTANST	ETAPKSDTAT
Consensus					
	1201				1250
Нар			RAEQAERTLE		
HK368IGA					AQNREVAKEA
HK393IGA					AQNREVAKEA
HK715IGA		PSETTETVAE	NSKQESKTVE	KNEQDATETT	AQNGEVAEEA
HK61IGA					PQNGEVAKED
Consensus			QT	T	

	1251				1300
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	KSNVKANTQT KSNVKANTQT KPSVKANTQT QPTVEANTQT	NEVAQSGSET NEVAQSGSET NEVAQSGSET	KETOTTETK. KETOTTETK. EETOTTEIK. EETOTAETKS	EPTESVIVSE	ETATVE ETATVE ETAKVE
	1301				1350
Hap HK368IGA HK393IGA	KEEK				
HK715IGA HK61IGA Consensus				SPKQAKPAPK PPKQAEPAPE	
	1351				1400
Нар					
HK368IGA					
HK393IGA HK715IGA HK61IGA Consensus	TOVQAQPQTQ	STTVAAAEAT PTTVAAAETT	SPNSKPÆET	.QPSEKTNAE QQPSEKTNAE	PVIPVVSKNQ
	1401				1450
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	TENTITXPTE .ENTATQPTE	AKVETE AKVETE REKTAKVETE TEETAKVEKE	KTQEVPKVTS KTQEVPQVAS KTQEVPQVAS	RRAARAAFPD QVSPKQEQSE QVSPKQEQSE QASPKQEQSE QESPKQEQPA	T T AKPQAQTKPQ
	1451				1500
Hap HK3681GA HK3931GA HK7151GA HK611GA				PTTYTTANS	v
Consensus					

	1501				1550
Hap	D	OSLINALEA.	KQAEL	TAETOKSKAK	TKK
HK3681GA	OPOAEPAREN	DPTVNIKEP.	QSQINT	TADTEOPAKE	TSSNVE
HK393IGA	OPOAEPAREN	DPTVNIKEP.	QSQTNT	TADTEOPAKE	TSSNVE
HK715IGA			QAQLQTQTSA		
HK61IGA			QSQTSA		
Consensus			0		
			~		
	1551				1600
Нар			v	RSKRAVESDP	LLDOSL
HK368IGA			QPVT		
HK393IGA			QPVT		
HK715IGA			KPQTETAAST		
HK61IGA			KPOMETVT		
Consensus					
wind not					
	1601				1650
Hap		F	ALEAALEVID	APOOSEKDRI.	
HK3681GA			PENTTPATTQ		
HK393IGA			PENITPATTQ		
HK715IGA			AEETTAASTD		
HK61IGA			AEETTVASTQ		
Consensus		MOVOQETEIS	OICHVIIGAN	E11VDN5V31	======================================
Consensus					\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-
	1651				1700
Нар	1001			OKDI T	
HK368IGA					
HK393IGA					
HK715IGA					
HK61IGA					
			ENVQSGNIVA		
Consensus				T	21/2-
	1701				1750
Uan		NICHT CUIOCET	DRL.FVDQAQ	CVLTINIALIVA	
Hap			SQLEMNNEGQ		
HK368IGA					
HK393IGA					NKNYSSSQYR
HK715IGA					NENYSSSOYR
HK61IGA					NKNYSSEQYR
Consensus	A	MA	LQ	VW	Y-SR

Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1751 AYQQOKINLR QIGVQKALAN RESSKSTQTQ LGWDQTISNN RESSKSTQTQ LGWDQTISNN RESSKSTQTQ LGWDQTISNN RESSKSTQTQ LGWDQTISNNT	VQLGGVFTYV VQLGGVFTYV VQLGGVFTYV	RNSNNFDKAT RNSNNFDKAT RNSNNFDKAS RNSNNFDKAS	SKN.TLAQVN SKN.TLAQVN SKN.TLAQVN SKN.TLAQVN
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1801 GFAQYQWEDL QFGVNVGT FYSKY.YADN HWYLGIDLGY FYSKY.YADN HWYLGIDLGY FYSKY.YADN HWYLGIDLGY FYSKY.YADN HWYLGIDLGYYDGG-	GKFQSKLQÌN GKFQSNLXIN GKFQSNLQIN	HNAKFARHTA HNAKFARHTA HNAKFARHTA NNAKFARHTA	OFGLTAGKAF OFGLTAGKAF OFGLTAGKAF OIGLTAGKAF
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1851 RIGQIGIQPY FGVNRYFIER NIGNEGITPI VGVRYSYLSN NIGNEGITPI VGVRYSYLSN NIGNEGITPI VGVRYSYLSN NIGNEAVKPT VGVRYSYLSN -IGPGV	ADFALDOARI ADFALDOARI ANFALAKORI ADFALAOORI	KVNPISVKTA KVNPISVKTA KVNPISVKTA KVNPISVKTA	FAQVDLSYTY FAQVDLSYTY FAQVDLSYTY FAQVDLSYTY
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1901 TPTDNISVKP YFFVNYVDVS .HIGEFSVTP ILSARY.DAN .HIGEFSVTP ILSARY.DAN .HIGEFSTP ILSARY.DAN .HIGEFSTP ILSARY.DAN	QGNGKINVNG QGSGKINVNQ QGSGKINVNQ	YDFAYNVENQ YDFAYNVENQ YDFAYNVENQ YDFAYNVENQ	ONNACIKIK ONNACIKIK OONNACIKIK OONNACIKIK
Hap HK368IGA HK393IGA HK715IGA HK61IGA Consensus	1951 ILHFQISAFI SKSQGSQLGK YHNVKLSLIG GLTKAKQAEK YHNVKLSLIG GLTKAKQAEK YHNVKLSLIG GLTKAKQAEK YHNVKLSLIG GLTKAKQAEK	QONVGVKLGY QKTAFLKLSF QKTAFLKLSF QKTAFLKLSF QKTAFVKLSF	SF SF SF SF	

1 2 3

105.1 kD —

69.8 —

43.3 —

28.3 —

